



I-tec Core

SOLID. RESOURCE-SAVING. SUSTAINABLE.

Stable core

The strength of timber is unrivalled. Therefore, we have used this proven and natural material and developed a new revolutionary technology for the window industry to create an even more sustainable and individual window for you.

With the new I-tec Core we are processing thin, bonded timber layers for the core of the timber/aluminium window HF 410. This timber is considerably more resistant to humidity, durable and extremely strong.

This new high-tech material is sustainable and allows larger sizes through its particular load-bearing capacity. The narrow frame design shows more aesthetics to this window.



EXTREMELY STABLE CORE



SLIM SIGHT LINES FOR EXTRA LIGHT



HIGH LOAD-BEARING CAPACITY



RESOURCE-SAVING AND SUSTAINABLE



INDIVIDUAL COLOUR DIVERSITY AND TIMBER VARIETY



Naturally unique

A feel of nature comes into your home with the new timber/aluminium window HF 410. Its warm timber surface of high-quality oak, ash, larch or walnut ensures a pleasant living atmosphere. And the best thing about it: timber can be selected in many variations and colours – through this the window can adapt harmoniously to your living style. The lively appearance of timber is processed with its typical timber structure, different pores, flame patterns etc. to retain the timber characteristics. This makes each HF 410 naturally a unique piece.

Individual design of timber surfaces and colours

There are no longer restrictions on choice of timber types and colours: even atypical timber types for the window construction can be used for the new timber/aluminium window HF 410, the timber/aluminium lift-sliding door HS 330 and even for our new timber/aluminium entrance doors.



New technology in the core: I-tec Core

The new window is not only especially beautiful, but also especially stable and durable. The new “I-tec Core” technology provides this: a core of bonded, thin timber layers. Timber processed in such a way achieves higher load-bearing, is more humidity-resistant and remains dimensionally stable – this in turn allows larger dimensions of windows and at the same time narrower frame designs. I-tec Core is certified with the PEFC seal of sustainable forestry.

Same high thermal insulation independent of timber type

The clever combination of solid timber surface on the inside and “I-tec Core” timber core opens up another significant benefit: the thermal insulation value of HF 410 remains continuously high, independent of the selected timber type, triple insulation glazing as standard, triple gasket system and highly thermally insulating thermal foam achieve excellent thermal insulation with a U_w of 0.70 W/m^2K as standard (best value with special glazing: U_w as low as 0.64 W/m^2K).

The patented Internorm technology allows many colours and new timber types in the future for a very attractive price.

Aluminium clad outside: highly weather-resistant protection in all colours and design styles

The naturalness of timber for the interior is complemented with HF 410 through the resistance and maintenance-freedom of aluminium on the outside. The aluminium clad of the new window system is available in all colours and any Internorm design styles and thereby also offers manifold options for facade design next to highly weather-resistant protection.

Comprehensive solutions – the door matches the windows

The wide colour range and timber spectrum of HF 410 opens up completely new possibilities for harmonious design of your living area.

This also applies to the entrance area: all timber/aluminium entrance doors of Europe’s leading window brand Internorm are also available in many new timber surfaces and colours, matching the new HF 410.

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